



(43) International Publication Date
15 September 2005 (15.09.2005)

PCT

(10) International Publication Number
WO 2005/085105 A1

(51) International Patent Classification⁷: B65G 53/24, 53/60, F04F 5/20, B01D 47/10, B65F 5/00 // B65G 53/62

(21) International Application Number:
PCT/FI2005/000133

(22) International Filing Date: 2 March 2005 (02.03.2005)

(25) **Filing Language:** Finnish

(26) **Publication Language:** English

(30) Priority Data:
20040344 3 March 2004 (03.03.2004) FI

(71) Applicant (for all designated States except US): MARI-CAP OY [FI/FI]; P.O.BOX 36, FI-01451 Vantaa (FI).

(72) Inventor; and

(75) Inventor/Applicant (for US only): SUNDHOLM, Göran
[FI/FI]; Ilmari Kiannon kuja 3, FI-04310 Tuusula (FI).

(74) **Agent: HEINÄNEN OY**; Annankatu 31-33 C, FI-00100 Helsinki (FI).

(81) Designated States (*unless otherwise indicated, for every kind of national protection available*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,

CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ,
TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA,
ZM, ZW.

(84) Designated States (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GO, GW, ML, MR, NE, SN, TD, TG).

Declarations under Rule 4.17:

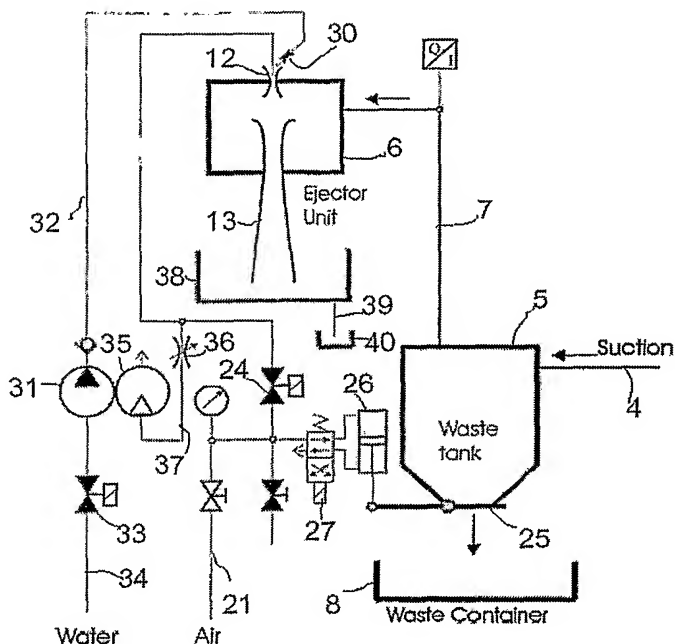
— as to the applicant's entitlement to claim the priority of the
earlier application (Rule 4.17(iii)) for all designations
— of inventorship (Rule 4.17(iv)) for US only

Published:

— *with international search report*

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: METHOD AND APPARATUS FOR CONVEYING MATERIAL



(57) Abstract: A method for conveying material, advantageously food-industry bulk material, especially cutting offals or food waste, by means of a pressure difference in a conveying pipe (4). In the method, material is fed to the conveying pipe (4), and further in the conveying pipe to a separator device (5) in which the transferred material is separated from conveying air. In the method, to the conveying pipe (4) is achieved underpressure with an ejector apparatus (6) the suction side of which is connected to the separator device (5), which ejector apparatus is operated with an actuating medium. To the ejector apparatus (6) is brought a second medium, especially a liquidous and/or gaseous medium.